





**Jordan Times**  
An independent Arab political newspaper published in Amman, Jordan.

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## In whose interest?

WE WOULD like to pass on some observations from an independent Beirut newspaper, Al-Liwa, about why most Arab states have been critical of the Soviet intervention in Afghanistan.

"The Arabs are upset," says the paper, "for two main reasons. The first is that (the Soviet intervention) gives the Americans a pretext to step up their intervention in Iran and the Gulf, and the second is that the intervention and its political, military and propaganda repercussions tend to push the Palestinian and Lebanese questions into the background."

Al-Liwa concludes that "the Soviet intervention benefits the Americans now and in the foreseeable future in their ability to invest it in a campaign to scare the conservative Arab and Islamic states, revive the traditional view that the United States is a protector against the 'communist danger' and consolidate American influence in the area."

In generally agreeing with our Lebanese colleagues' appraisal, we would add that we don't think anyone in this region has any illusions about either the significance of the Soviet move in Afghanistan, or its possible ramifications. First of all, whether by design or not, the intervention forces are pitting themselves against Islamic and nationalist forces in Afghanistan. They are also operating in what is (was?) ostensibly a non-aligned country. And it is a country with undeniable strategic value, although no imperial power in the past has ever really been able to turn that value to its own advantage.

At the same time, the Arab countries, while fearing the consequences of a possible American response to the Soviet move, are realistic enough to appreciate why the United States may feel compelled to react. It is not important which came first, the chicken or the egg, if we are all going to end up as ingredients in the omelette.

Having analysed the crisis, what the Arabs must do is to avoid either being drawn into the conflict or permitting it to distract them from the actual business to hand in the Arab-Zionist dispute. One does not have to be naive to try and avoid over-reacting in a situation like this. It does, as the Afghans are discovering, perhaps pay to be more cautious in requesting "assistance" from a superpower.

The Arabs, with their combined blessing and burden of oil wealth on the one hand and Zionist occupation on the other, must concentrate their efforts on creating stability for themselves. This can only be done by continued strenuous efforts to resolve the main source of instability in the region. Big powers have national interests. So do little ones.

## ARAB PRESS COMMENTARY

**AL RAY:** His Majesty King Hussein's current Arab Gulf tour represents a new stage in the vigorous Jordanian moves which aim at unifying efforts at the Arab level to face the challenges and developments to which the Arab cause and area are exposed.

Coordinated Arab action is among the necessities the Arabs should take into consideration to keep pace with accelerating events. Naturally, this requires consultations and exchanges of views among Arab leaders. Thus, the significance of King Hussein's talks with leaders of Arab countries he will visit is clear.

The Gulf area is now receiving a lot of attention -- more than at any previous time -- for several reasons, some of which relate to the international situation. Therefore, concern for this Arab area is a prerequisite for a Pan-Arab commitment to the unity of Arab destiny. This gives the Jordanian move its vital and Pan-Arab significance at the new stage -- in which, as in previous stages, King Hussein prefers to take the initiative.

**AL DUSTOUR:** King Hussein starts an Arab Gulf tour to confer with the leaders of the countries he will visit on issues that concern the Arab nation at this critical stage the area is witnessing.

The extremely sensitive situation is posed by the variables that affect the area and have changed many old formulas -- beginning with the Soviet intervention in Afghanistan and the strained American-Iranian relations, and ending with what seems to be an Egyptian-Israeli-American military alliance in the area, covered up by the necessities of defending oil resources and routes and deterring the Soviet drive in Central Asia.

The most serious consequence of the current confrontation between the Soviet Union and the United States in the region is the ebbing of international concern over the Palestinian issue and the necessity of continuing efforts to attain a just solution. The world's attention is now concentrated on dealing with the after-effects of the Soviet intervention in Afghanistan, and solving the American hostages crisis in Tehran.

Our fear is that this confrontation may lead to a serious split in the unity of Arab ranks with regard to the basic issue of Palestine, and involve the Arab countries in the proxy conflict that usually accompanies the cold war between the two superpowers.

## Arab towns in Israel protest discrimination

TEL AVIV, Jan. 12 (R) -- Arab local councils in Israel complained today about government discrimination against them.

In a statement issued after a conference of Arab municipal officials in Nazareth, the council representatives said the Ministry of the Interior rejected most of their requests for aid and took months to reply to requests with which they agreed.

The representatives threatened to call strikes at all Arab schools in Israel later this month if increased funds were not found immediately for school construction and repairs.

They also called for revision of Arabic school books to bring them into line with modern Arab thought.

The representatives did not spell out what they meant by this. Government officials were unavailable for comment.

## Local News Briefs

AMMAN, Jan. 12 (JNA) -- His Highness Crown Prince Hassan, the Regent, today chaired a meeting of the higher committee preparing for a conference on the history of Greater Syria. The Crown Prince spoke briefly during the meeting, held at the University of Jordan, underlining the importance of the conference on the Arab, Islamic and international levels. He also lauded the subcommittees preparing for the conference. Another speaker was the higher committee's secretary general, Dr. Adnan Al Bakhit, who briefed the meeting on the progress of the committee work and said nearly 170 scholars will be participating in the conference, to be held in Amman between April 19 and 24. Of these, he said, 58 participants will be from Jordan. The status of Jerusalem will be among the main subjects to be discussed at the conference, Dr. Al Bakhit said.

AMMAN, Jan. 12 (JNA) -- The Occupied Arab Territories Committee at the National Consultative Council today elected Mr. Khaled Fayyad as chairman and Dr. Carlos D'Amas as its rapporteur.

AMMAN, Jan. 12 (JNA) -- The Ministry of Supply today referred 54 merchants to the military court for violations of supply regulations.

AMMAN, Jan. 12 (JNA) -- A number of emergency telephones will be put into operation on Tuesday, according to a spokesman for the Civil Defence Department. He said the telephone, installed by the Telecommunications Corporation along main roads, will enable people in distress to call for help or to report incidents. The duration of a telephone call will be limited to three minutes, after which the caller will be automatically cut off. To make this service clearer, the spokesman said, the department, in cooperation with Jordan Television, will make a demonstration to the public soon. The new service will initially cover the Amman and Irbid governorates, but will later be extended to cover the rest of the country, the spokesman said.

AMMAN, Jan. 12 (JNA) -- The Development Bank of Municipalities and Village Councils granted loans totalling JD 3,340,488 to various municipalities for 162 projects around the country in the past year, the bank's director, Mr. Hajem Tal, said today. Among these, he said, there were 16 electricity projects, 78 for building schools, 14 water projects, two sewer projects, 22 street projects and 23 buildings for public utilities.

AMMAN, Jan. 12 (JNA) -- A week-long seminar on managing scientific research work opened at the Royal Scientific Society (RSS) today. Participants will discuss the role of Arab scientific research centres in development, the drawing-up of research programmes, the transfer of technology, determining relations between research work and the environment and a science and technology policy for the Arab World. Delegations representing various Arab scientific research institutions are taking part in the seminar, which was organised by the RSS in cooperation with the Baghdad-based Arab Union of Scientific Research Councils.

AMMAN, Jan. 12 (JNA) -- A two-man technical team left for Aden, South Yemen today to help in establishing an agricultural credit bank. During a two-week stay in South Yemen, the team will carry out a feasibility study on establishing the bank, and then help enact its laws and regulations, a source at the Jordanian Agricultural Credit Corporation said. The team's mission comes at the request of the U.N. Food and Agricultural Organisation (FAO) in agreement with the two countries, with the purpose of developing agricultural production in South Yemen.

AMMAN, Jan. 12 (JNA) -- Minister of Justice Najib Irshaidat opened here today a three-day meeting of the Arab lawyers' union. The participants, who represent eleven Arab states, will discuss among other things a projected international seminar that will discuss means of promoting the defence of Arab detainees in Israeli jails, a seminar on unifying laws in the Arab World, current Arab affairs, the union's activities and its 1980 budget. Taking part in the meeting are delegates from Jordan, Syria, Iraq, Lebanon, Bahrain, Sudan, South Yemen, Tunisia, Algeria, the United Arab Emirates and Palestine.

AMMAN, Jan. 12 (JNA) -- The Health Ministry has received two Land Rover cars as donation from the United Nations Children's Fund (UNICEF) to help in promoting the ministry's mother and child care programme. UNICEF's representative in Amman handed the cars over to the ministry today. The U.N. agency had earlier donated three cars to the ministry.

AMMAN, Jan. 12 (JNA) -- Iraq is to dispatch a number of researchers in solar energy to Jordan to familiarise themselves with the solar energy programme of the Royal Scientific Society (RSS), according to an agreement reached by the RSS and the Iraqi scientific research centre. RSS Deputy Director General Fakhraddin Daghestani announced the agreement here today upon his return from a four-day visit to Baghdad, where he held talks on the implementation of a Jordanian-Iraqi scientific agreement signed last year. He said the two sides also agreed on training Iraqi technicians in the manufacture and operation of solar water heaters at the RSS.

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## Hassan speaks on role of education in society

AMMAN, Jan. 12 (JNA) -- His Royal Highness Crown Prince Hassan, the Regent, met this afternoon with the teaching staff of the University of Jordan.

The Crown Prince emphasised during the meeting the significance of participation in building up society.

Prince Hassan called on the staff of the university of Jordan and Yarmouk to take their part in participating with the government in drawing up the country's economic and social projections.

The Crown Prince stressed the importance of linking the educational process for all groups with the needs of society, and praised the new government's efforts to achieve this.

The meeting was attended by the President of the University of Jordan, Dr. Nasereddin Al Assad and the President of Yarmouk University, Dr. Adnan Badran.

## RSS study of Amman area soil gets under way

AMMAN, Jan. 12 (JT) -- Two British experts on soil composition started work today at the Royal Scientific Society as part of a three-year joint research project to analyse the properties of clay in different areas of Amman and Irbid.

The two men will be here for only two weeks, just long enough to install equipment from the British government that will be used in the laboratory of the RSS's Building Materials Research Centre for analysing soil. Dr. Ruhl Sharif, the centre's director, told the Jordan Times today.

When the project is completed in three years, the RSS will make available a map showing the soil composition of the Amman and Irbid regions.

This information is very valuable for engineers, who will use "to optimise their foundation designs," Dr. Sharif said. "We want a more scientific approach for our engineers. It will make them more confident of their selves, instead of trying to guess a sufficient foundation design."

Too often in Jordan foundations are either made stronger than necessary or not strong enough, Dr. Sharif said, with results in either unnecessarily high construction costs or insufficient structural strength. With accurate information on soil composition such problems can be avoided.

The joint research project is being conducted with the U.K. Building Research Establishment. The agreement for the project was signed in August last year.

## Landslide area to be made park

By Norah Barger  
Jordan Times Staff Reporter

AMMAN, Jan. 12 -- What has been a near disaster for a number of residents in Jabal Jofah may well turn out to be a boon for other residents in the area.

Part of the hill already ravaged by landslides and threatened with further collapse, will never be inhabited again. But the evacuation of the area will, if all goes as planned, result in the establishment of a park which would be one of downtown Amman's few open, green areas.

The snows and rains here a week ago caused the surface of part of Jabal Jofah to slide. As the landslide became increasingly dangerous, Civil Defence workers moved into the area last Sunday morning to evacuate four large households along a section of road part way up the hill. The 100-metre road section has been barricaded by barbed wire, and a policeman patrols it at all times to keep people out.

A trip to the area today revealed long, wide fissures in the road. The stone wall supporting it (built without reinforcement) is in danger of crumbling. As a precautionary measure, the Civil Defence Department has been sending patrol trucks to the area several times a day to check the situation.

Higher up on the hill, one can see the cracks and bulges in staircases leading up to the abandoned houses. Children playing above them showed the Jordan Times fissures in the earth that appeared



A policeman and a Civil Defence Officer discuss a dangerous fissure that appeared in a road on Jabal Jofah after last week's rains that caused landslides there. The road has been closed for fear it may collapse. People in the houses behind them have been evacuated -- perhaps permanently.

buy land elsewhere and build again."

Forty metres below the Jabal Jofah road, most of a half-kilometre long street at its base has also been closed off and is under police surveillance. One can see piles of rocks that recently slid down the hill's slope.

At one end lies the Akasheh Suq, a collection of some 25 or 30

slide ourselves," he added.

Before such a move is made, he said, engineers will conduct further studies to determine the exact depth of the sliding surface. Preliminary investigations have indicated that it is relatively shallow, perhaps only ten metres in depth. The shallower the slip surface, the greater the acceleration of the slide movement. Had the slip surface been deep on Jabal Jofah, the creep of the slide, he said, would have been very small over a long period of time.

The sliding land surface on Jabal Jofah was observed over thirty years ago. Since then four buildings have collapsed on its slope during heavy rains. During this time, Mr. Abu Ziyad said, the municipality has made efforts to acquire the land in the area.

The sliding is due to the geological formation on Jabal Jofah, he said. It consists of layers of flint and marl (a loose earthy deposit of sand, silt or clay that contains calcium carbonate), inclined at a sharp angle. Whenever the marl becomes saturated, it becomes an

Mr. Abu Ziyad added that there are three similar areas in Amman located in Jabal Nathif, Jab Marikh and Wadi Rimam. The municipality has these areas under observation.

Once the surface on Jabal Jofah has slid, whether naturally through the engineers' action, the municipality may add a load of earth at its base to counterbalance sliding action at the top. It has been determined that the area must be kept free of buildings. The seven evacuated households will be compensated for their houses and land by the municipality. The fate of the Akasheh Suq, however, has not yet been decided. It may be allowed to stay where it is.

After the winter season ends work will begin on restructuring the hill. Reinforced concrete supports will be added the retaining wall on the edge of the Jabal Jofah road which will remain closed until then. If work goes planned, excavation will begin the slope surface to terrace it. drainage system will be installed. Later, trees will be planted on



This road has been cordoned off with a barbed wire fence and is under constant police surveillance to keep people out of the dangerous area. The retaining wall for the road is in danger of crumbling down the slope where landslides devastated buildings. The road below where the Akasheh Suq is located has also been closed.

only a week ago. The floor of a house they said had collapsed over ten years ago during heavy rains had buckled and developed large cracks during the recent storms.

The Jordan Times also had the chance to speak to one of the evacuated residents who had come back to collect some belongings. The veranda of the large house she lived in had suddenly bulged, displacing a large number of tiles. A section of the veranda, on the edge of the hill, had caved in.

Although the house was built over twenty-five years ago and had housed fourteen people, the woman took a pragmatic attitude. "We know we will never live here again," she said, added but "now that it is so dangerous, we don't want to. We have known for a long time that the land here was unstable. About ten years ago the municipality forbade new buildings here, and the city has always refused to install telephones. The municipality has promised to compensate us -- we will simply

stores, housed in modern stone buildings. All have been closed by the authorities for fear of further landslides. Part of the construction going on for an addition to the suq that would have added perhaps 15 more shops has collapsed.

At the other end are three old stone houses that were evacuated last Sunday. Neighbours said that one house had contained sixteen people.

During the past week, an ad hoc committee of engineers and geologists from the municipality, the Royal Scientific Society and the Natural Resources Authority has been studying several proposals for handling the situation. However, "we haven't been able to find any solution that will stop the sliding," Mr. Assad Abu Ziyad, technical adviser to the mayor and the head of the committee, said today.

"If there is no further natural movement on the slope -- such as might be caused by another heavy rain -- within a week, we will force



The terrace of this house, now evacuated, bulged and tiles were uprooted during the sudden earth movements. Part of it fell to the ground many metres below, leaving a gaping hole. (Photos by Norah Barger)

agent for sliding action to the flint layers.

Underneath these layers is a weak limestone layer whose moisture content is so high deformation has taken place. It too has become an agent for the sliding action. The problem has been compounded by cesspools in the area, which have increased the moisture content of the marl and limestone.

terrace steps and the area, now lacking in greenery now, will be transformed into a public park.

A park will not be the only thing that will have come out of the Jabal Jofah landslides. The event is also provided on-site of a caution for a number of geologists and for engineering experts at the University of Jordan who have been taken on field to the area during the past week.

American women are cordially invited to hear Dr. James A. Sauer, director of the American Centre of Oriental Research in Amman, talk about "Flints and Pots". Meeting of the American Women of Amman Intercontinental Hotel Ballroom, Monday, January 14, 10 a.m.

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# Recent survey of Wadi reveals new evidence of Bronze, Iron Age occupation

By Steven Ross  
Jordan Times Staff Reporter

AMMAN, Jan. 12 -- The basic purpose of an archaeological survey is to locate ancient remains and to retrieve whatever information is available about them without actually excavating; in other words, to compile data for a reference of future archaeologists who may be looking for a site to dig. But a survey can produce more than a catalogue of sites, and when it is able to produce evidence against a generally-held opinion, it is all the more worthwhile.

Such are the results of the recent survey of part of the south

have had the advantage of modern four-wheel drive vehicles. In addition, many of the sites located are not sizeable settlements, but merely sherd scatters, lithic scatters, or tombs.

The 40-year-old Dr. McDonald, who is an associate professor in the Theology Department at St. Francis Xavier University in Antigonish, Nova Scotia, is spending his sabbatical year as Annual Professor at the American Centre of Oriental Research (ACOR) here. He described for the Jordan Times the work that he and his team have done, which involves much more than simply locating the sites. Survey work includes finding a site, locating it on a map, recording its name (if any), photographing it, recording relevant observations, and "shedding" it—that is, collecting pottery sherds (and other small artifacts, such as flints) from the surface in order to determine the site's dating. "We have made sure to locate all of the sites recorded by Dr. Glueck," he said—but that was only the beginning.

The team depended heavily on local inhabitants to find sites and identify them by name—although most of the sites have no name. In each locality they visited, they would try to find someone who had lived in the area for a long time, to rely on his knowledge of the terrain.

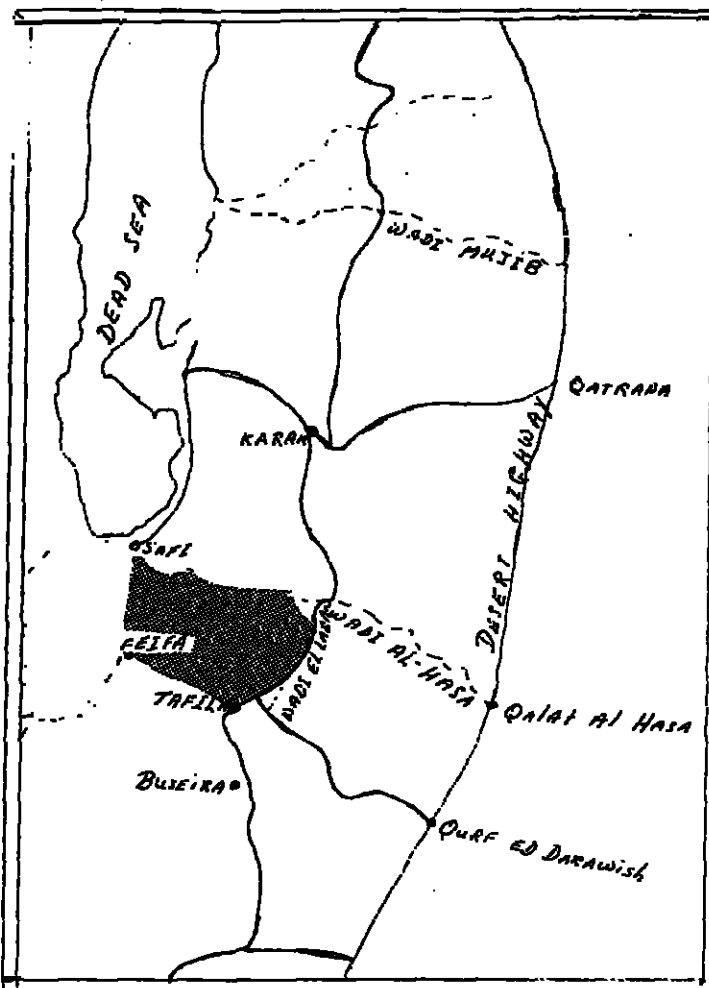
"We found the people of the area generally very helpful," Dr. McDonald added, mentioning especially the people of the village of Tafleh, where the team passed the nights in a rented house (Tafleh marks the southeast corner of the area surveyed).

To plot each site found, the team used either a 1:25,000 or a 1:50,000 contour map of the area. Using such large-scale maps made it unnecessary to use surveying equipment such as transits and metre sticks to locate the sites precisely—the terrain is distinctive enough that any point could be determined simply by its relationship to the earth's contours.

"It's easy enough to get the location within 100 metres using this method," Dr. McDonald said.

In sheding, the team generally attempted to pick up artifacts from all over the surface of a given site, and to keep everything they found, without exception—thus attempting to ensure that the relative strength of each period of the site's occupation was truly represented. The pottery collected by the team was "read"—classified as to period on the basis of stylistic variations—by Dr. James Sauer, ACOR's director, who served as project advisor to the survey team.

The treatment of a site was completed by photography and three kinds of data sheets filled out: site sheets, sample sheets, and geotechnical sheets. Site sheets would bear photographs, map



Map of Central Jordan, with the area covered by the Wadi Hasa survey shaded in.

references, a description of the type of site (village, farm, etc.) and more abstract information, such as the time of day the photographs were taken. Sample sheets described the results of the sheding, and geotechnical sheets the physical features of each site's setting—therefore two different sites, if located close to one another, might be covered by the same sheet.

Using such exhaustive methods, the team was able to locate sites dating to many different periods of Jordan's history—though, for example, the Roman period is not very well represented. Four results of the survey are particularly interesting and, even, surprising:

The team found a quantity of remains from the Palaeolithic period (500,000-14,000 B.C.). "No one has found any Palaeolithic in the region before," Dr. McDonald said, "but then, nobody has been really looking for it." Sites were identified ranging all the way from the Lower Palaeolithic through the Early Neolithic period.

The second surprising result is the possibility of remains from the Middle Bronze period (ca. 2,000-1,550 B.C.). The presence of MB is not very firmly established, but its representation at some sites seems clear.

Remains from the Late Bronze period (1,550-1,200 B.C.) are

also surprisingly extensive. Though LB was known to have been represented in the Wadi Hasa area, last year's survey has shown that the occupation during this period was much more extensive than previously suspected.

Finally, and perhaps most importantly, the team found definite evidence of extensive occupation during the Iron I period (1200-918 B.C.). "It has been generally accepted," Dr. McDonald said, "that this region was not extensively settled until the mid-ninth century B.C.—during the Iron II period." The Iron I remains found by the team, which are even more extensive than those of the LB period, seem to contradict this view.

Though the results of the survey seem to point to such important conclusions, Dr. McDonald was quick to point out that his team's work cannot be thought of as being final. "We did not cover the whole area on foot," he said, "but used vehicles for transportation part of the time." This is important because one cannot be sure of locating all the sites in a given area unless it is covered completely on foot. Moreover, it is possible that someone covering the area under different weather conditions, or with different training, might find sights that this team missed.

"There is definitely more to be done on Wadi Hasa's south bank," Dr. McDonald said,

adding that he would like also to extend the survey's work east of Wadi Laban, where it now stops. He said that many sites found during the survey were interesting enough that they ought to be excavated—but, unfortunately, would most probably never be dug, because they are all but inaccessible due to the region's rough terrain.

The Wadi Hasa survey was funded by the Humanities and Social Science Research Council of Canada, and licensed by Jordan's Department of Antiquities. Working on the survey were Mr. Ted Banning, a graduate student in Near Eastern Studies at the University of Toronto, and Mr. Larry Pavlich, in the same university's graduate anthropology department.

Antiquities Inspector Mr. Nabil Baqa'in was with the team throughout the survey and, according to Dr. McDonald, was "a great help."

The results of the survey will first be formally published in the Annual of the Department of Antiquities of Jordan, probably in the 1980 edition.

## TODAY'S WEATHER

There will be mostly clear skies with scattered clouds and increasing temperature. Winds will be light and variable. In Aqaba, it will be partly cloudy with northerly moderate winds and calm seas.

	Overnight	Daytime
Amman	low 6	high 14
Aqaba	13	20
Deserts	6	17
Jordan Valley	11	20

## LOCAL EXCHANGE RATES

U.S. dollar	293.00/295.00
U.K. sterling	663.20/667.20
West German mark	170.50/171.50
Swiss franc	185.60/186.70
French franc	72.70/73.10
Italian lire (for every 100)	36.40/36.60
Japanese yen (for every 100)	124.20/124.90
Dutch guilder	154.50/155.40
Belgium franc	104.90/105.50
Swedish crown	70.80/71.20

## People ...in the news

THE APPOINTMENT of Mrs. In'am Mufti as minister of social development was not an occasion to be missed by Jordan's burgeoning women's movement. For that matter, half of Amman didn't miss the reception held in her honour by the Arab Women University Graduates Club, the Business and Professional Women's Club and the Inner Wheel Club at the Jordan Intercontinental Hotel on Thursday evening.

Not only does she head a new ministry, but as everyone knows Mrs. Mufti is the first woman cabinet member in Jordan's history. She has also served as a member of the National Consultative Council and as head of the Department of Women's Affairs in the Ministry of Labour.

APPARENTLY AMMAN'S streets were not the only place that became dangerously slippery after last Saturday night's snowstorm. Transportation much closer to home was also perilous—as Dr. Adnan Hadidi, director general of the Department of Antiquities, can testify.

Dr. Hadidi had just returned home from the



Editor Mahmoud Al Kayed of our sister publication Al Ra'i (wearing glasses) and former minister of agriculture Marwan Al Moudoffi offer their best wishes to Mrs. In'am Mufti during the reception held in her honour at the Jordan Hotel Thursday.

reception held that evening for outgoing Minister of Tourism and Antiquities, Mr. Ghaleb Barakat, and was walking across the courtyard of his house, when, as he described it, "all of a sudden," he found himself on the ground—having taken the weight of his fall on his left wrist.

Thinking he had only slightly injured the wrist, Dr. Hadidi thought no more of it until Tuesday, when it had become quite painful. He then went to his doctor, who had it X-rayed. Sure enough,

it plainly had a fissure—in a small triangular bone, which we hear is one of the most troublesome.

The area has to be immobilised for 40 days, and Dr. Hadidi's entire left forearm and thumb are now encased in plaster. Luckily it was not the right arm, for as it is, Dr. Hadidi is able cheerfully to carry on with his work—which involves a lot of writing and signing of papers!

The Jordan Times expresses its sympathy, and hopes for a speedy recovery.

## AMMAN STOCK EXCHANGE REPORT

Name of Company	Par Value	Number Traded	High	Low	Closing Price
Jordan Pipes Manufacturing Co.	JD 10,000	500	14,000	14,000	14,000
Arabian Development and Investment	JD 2,000	275	1,400	1,400	1,400
Islamic Bank	JD 1,000	50	50,000	2,480	2,480
Arabian Seas Insurance Co. Ltd.	JD 5,000	100	9,000	9,000	9,000
Petra Bank	JD 10,000	100	15,500	15,500	15,500
Bank of Jordan	JD 5,000	16	11,800	11,800	11,800
Jordan Gulf Bank	JD 1,000	15950	1,650	1,580	1,580
Arab Investment Bank	JD 1,000	8200	1,620	1,600	1,620
Housing Bank	JD 1,000	400	1,450	1,450	1,450
Jordan Kuwait Bank	JD 1,000	1050	2,450	2,350	2,350
Arab Bank Co.	JD 1,000	20	90,000	90,000	90,000
Dar Al Dawa Development and Investment Co.	JD 1,000	50	3,850	3,850	3,850
Industrial, Commercial and Agricultural Co.	JD 1,000	14340	3,130	2,850	2,850
Arab International Hotels Co.	JD 1,000	8455	0,910	0,870	0,900
Arab Pharmaceutical Manufacturing Co.	JD 5,000	59	24,250	24,250	24,250
Arab Company for Aluminium Industries	JD 1,000	3930	1,420	1,420	1,420
Jordan Electricity Co.	JD 1,000	5576	1,580	1,550	1,580
Jordan Cement Factories Co.	JD 10,000	319	20,300	20,250	20,300
Jordan Ceramic Industries Co.	JD 1,000	1300	1,320	1,320	1,320
Jordan Spinning and Weaving Co.	JD 1,000	905	0,780	0,750	0,780
Jordan Petroleum Refinery Co.	JD 5,000	1725	10,300	10,000	10,000
Jordan Phosphate Mines Co.	JD 1,000	1100	3,300	3,300	3,300
Arab Chemical Detergents Industries Co.	JD 1,000	1500	2,000	2,000	2,000
Int. Construction and Investment	JD 1,000	10000	1,080	1,030	1,030

Total Volume Traded on Saturday, Jan. 12, 1980:

JD 197,635

Total number of shares traded: 86,420

### Government Development Bonds

Year of Maturity 1989	Par Value	Number Traded	Volume Traded	High	Low
	JD 10,000	100	1010	10,100	10,100

### FOR LADIES ONLY!

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(YWCA, Ph: 41793)

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These documents will be used to prequalify the contractors for all stages of the project. Some plans and a maquette may be inspected at the Housing Corporation.

Eng. H. Nabulsi  
Director General of Housing Corp.

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# JORDAN TIMES SPORTS ROUNDUP

## Basketball roundup

NEW YORK, Jan. 12 (AP) — If the World Boxing Association and World Boxing Council can't agree on a heavyweight champion, maybe they ought to match Dave Cowens of the Boston Celtics (2,045 metres, 225 pounds) and Wayne "Tree" Rollins of the Atlanta Hawks (2,16 metres, 235 pounds). The two National Basketball Association giants went at it last night late in the first period of the Celtics' 108-93 victory in Boston. Both were ejected after exchanging solid punches. "He was racing down the lane and gave me an elbow," said Cowens, who sported a small cut over an eye. "I couldn't let him get away with that." The man who really hurt the Hawks, though, was Ric Robey. Cowens backup who scored 22 points as the Celtics boosted their home record to 18-1.

In other action, the Philadelphia 76ers trimmed the Washington Bullets 119-106, the Seattle Supersonics downed the Utah Jazz 100-90, the Los Angeles Lakers crushed the Detroit Pistons 123-100, the Indiana Pacers shaded the Chicago Bulls 110-105, the San Antonio Spurs beat the Cleveland Cavaliers 116-109, the Kansas City Kings flattened the Denver Nuggets 112-99, the Milwaukee Bucks nipped the New York Knicks 109-107, the Portland Trail Blazers whipped the New Jersey Nets 120-101 and the San Diego Clippers edged the Golden State Warriors 116-112.

The 76ers won the eighth triumph in the last nine games and 18 of 22 for the 76ers, who run away from the Bullets in the second half. Greg Ballard scored 31 points, his season high, as the Bullets lost for the first time in five games. Seattle won behind Gus Williams' 29 points and a defensive performance that held Utah scoreless for a five-minute stretch in the fourth quarter. The Lakers took a 36-24 lead at the end of the first quarter and coasted to triumph behind Jamaal Wilkes' 21 points. Spencer Haywood scored 25 points while Kareem Abdul-Jabbar added 23.

Former Chicago Bull Mickey Johnson scored 28 points and rookie Dudley Bradley made two key steals and hit two fourth-quarter layups as the Indiana Pacers beat Chicago. George Gervin scored 38 points as San Antonio posted its third consecutive victory and moved within three games of Central Division-leading Atlanta. Gervin scored only 4 points in the final period but James Splas and Larry Enon picked up the slack with 10 apiece.

Reserve Bill Robinson scored 10 points in 29 minutes, helping spark second and fourth-quarter surges against the Denver Nuggets that carried the Kansas City Kings to its 15th victory in 19 games. Junior Bridgeman of the Milwaukee Bucks scored 13 fourth-quarter points, including a decisive three-point play with 21 seconds remaining to beat the New York Knicks. In the

Clippers-Warriors game, San Diego's Lloyd Free scored 16 of his 39 points in the third quarter while teammate Brian Taylor scored 26, including three three-point goals.

## Zanzibar defeat Somalia

LILONGWE, Malawi, Jan. 12 (R) — Two players were sent off yesterday in a stormy preliminary Group Two clash of the sixth East and Central Africa Soccer Club's Championship here in which Navy of Zanzibar triumphed 2-0 over Somalia's Horseed. Both goals were scored in the first half in the match that was rescheduled after heavy rains could not allow it to take place on Thursday.

Navy who had yet to win a match started strongly in a bid to rekindle their hopes for a semi-final place and opened the scoring in the 17th minute through skipper Shaaban Ramadhan. Mcha Khamis scored the second goal two minutes later as the Horseed goalkeeper Ridha Khamis continued to blunder. Two substitutions by the Somalia side, losing finalists in the 1977 tournament in Dar Es Salaam, failed to save the game for them. The second half was rough, particularly in the last quarter hour. In the clashes between players, Horseed's Abdi Noor fouled Omar Khombo of Navy and when Khombo retaliated, a first-fight broke out between the two, earning them the dismissal from Malawian referee Nelson Chirwa.

The win vaulted Navy from the bottom of the standings to second spot with two points from as many matches. Group Two today takes a rest before their last preliminary fixtures tomorrow and on Monday. Group One completes its preliminary programme in Blantyre tomorrow when its already decided semi-finalists, the home team Limbe Leaf Wanderers tackle Green Buffaloes of Zambia. Today Uganda Commercial Bank meet bottom-of-the-table Simba of Tanzania in their last preliminary match whose result all have no effect on the group's top positions.

## Lloyd, Austin win matches

CINCINNATI, Ohio, Jan. 12 (R) — Top-seeded Chris Evert Lloyd struggled to a 3-6, 6-3, 6-2 win over South African Greer Stevens last night to gain a semifinal berth in a \$150,000 women's tennis championship. Second-seeded Tracy Austin advanced to the semifinals by defeating eighth-seeded Kathy Jordan, 6-3, 6-1, and Dianne Fromholtz of Australia advanced by easily beating Caroline Stoll, 6-3, 6-3.

## Gerulaitis upsets McEnroe

NEW YORK, Jan. 12 (AP) — Vitas Gerulaitis knocked off top-seeded John McEnroe 3-6, 7-6, 7-6 last night in the biggest upset of the round-robin portion of the \$400,000 Grand Prix Masters Tennis Tournament. It was a spirited rematch of the 1979 U.S. Open final between the two Americans, but while McEnroe won that one in straight sets, the highlight of his climb to the top of U.S. men's tennis. Gerulaitis rallied from a miserable start to win the rematch by taking two tense tiebreakers 9-7 and 7-4. "Winning this match is a good boost, a good way to start off the year," said Gerulaitis. "But... this doesn't mean anything if I don't win the tournament."

## England moves to cup final

MELBOURNE, Jan. 12 (R) — England's cricketers clinched a place in the World Series Cup final here today when rain washed out their 50 overs a side game against the West Indies without a

ball bowled. The umpires abandoned the match shortly before the scheduled starting time after nearly six hours of non stop rain left the field wet. England received one point from the abandoned match which leaves them with nine points from their six matches. Australia have four points from six games and the West Indies five points from six games leaving the two teams to fight out the right to be England's opponents in the World Series Cup final in nearly two weeks time, which is decided by a best of three match competition.

## Bridge tournament results

AMMAN, Jan. 12 (JT) — Twenty-eight persons participated in a bridge tournament at the Jordan Club here last night. Results were: first place, Awwad Haddad; second, Arafat Sahed; third, Jamal Kounkar; fourth, Nazih Karadsheh; fifth, Abdul-Fattah Hannoud.

## Conference to discuss Olympic boycott

KUWAIT, Jan. 12 (R) — An Arab conference next March will discuss a proposal by Saudi Arabia for a boycott of the Olympic Games in Moscow in protest against Soviet intervention in Afghanistan, a Kuwaiti sports executive said today.

The conference of Arab ministers of youth and sports, which will be held in Riyadh, Saudi Arabia, will discuss the general question of Arab participation in the July Olympics as well as the Saudi boycott call. Colonel Abdul Hamid Al Hajji, General Secretary of Kuwait's National Olympic Committee told Reuters.

A unanimous decision would have a greater impact than individual boycott of the games, Colonel Hajji said.

Saudi Arabia, which has strongly condemned the Soviet military intervention in Afghanistan, is also campaigning for an Arab ban on broadcasting the games.



These three men from Geneva Switzerland, Eric Doutreloup (left), Didier Days (centre) and Marcel Lachat departed Thursday from Geneva

airport to Saudi Arabia to cross the Saudi Arabian desert by bicycle from Jeddah to Damman. They plan to take two weeks to pedal the 1,700 kilometres from the Red Sea to the Gulf.

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# Nkomo to return from 3-year exile Patriotic Front co-leader schedules Salisbury rally

**SALISBURY, Jan. 12 (R)** — Mr. Joshua Nkomo, patriarch of Rhodesian black nationalism, was scheduled to return home tomorrow from three years in exile to face the threat of assassination and an uncertain political future.

After three decades fighting white domination of his country, Mr. Nkomo will be returning seven weeks before elections to create Africa's newest independent state of Zimbabwe and choose its majority-rule leadership.

Because he draws his support mainly from the minority Ndebele tribe, which accounts for only 18 per cent of the seven million population, Mr. Nkomo could well be at a disadvantage at the polls and his goal of leading an independent Zimbabwe may prove unattainable, political sources said.

Intense security will be in force when Mr. Nkomo flies in from Lusaka in view of off-voiced threats by many whites to kill him in revenge for the shooting down by his guerrillas of two Air Rhodesia passenger aircraft.

The 62-year-old Mr. Nkomo has taken out a full-page advertisement in the Herald newspaper, urging his followers to attend a mass rally in Salisbury's black township of Highfields tomorrow.

Because of the security, Mr. Nkomo will be flown directly from the airport to Highfields by

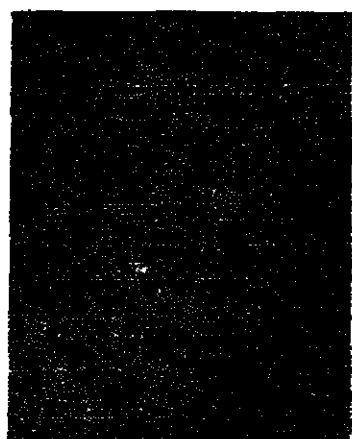
helicopter. His followers are being urged not to mass at the airport to see him touch down.

The rally will be in an open area called Zimbabwe Fields—the same venue used for earlier rallies by outgoing premier Bishop Abel Muzorewa, and by the ZANU (Zimbabwe African National Union) of Mr. Robert Mugabe, Mr. Nkomo's co-leader in the Patriotic Front guerrilla alliance.

In the numbers game of Black African politics, the turn-out will be crucial. The ZANU rally, even without Mr. Mugabe who is still in exile in Mozambique, drew an estimated 80,000 people while Bishop Muzorewa's rally drew some 50,000.

British and Rhodesian police under the authority of Lord Soames, the British governor in Rhodesia, will join Mr. Nkomo's personal bodyguards—some trained in communist Eastern Europe—to form a human shield around him against assassins, officials said.

Mr. Nkomo, leader of the Zimbabwe African Peoples Union (ZAPU), was once regarded as a moderate and the white minority's



Joshua Nkomo

best hope for firm but benevolent black leadership in Britain's rebel colony.

His image changed radically in September 1978, when he claimed responsibility for the shooting down of an Air Rhodesia Viscount.

In February, 1979, a second Viscount was brought down by heat-seeking missiles and Mr. Nkomo again said his forces were responsible.

White attitudes to him changed overnight into revulsion and hatred. Many whites who lost friends and family among the 107 people killed in the two disasters swore to avenge them.

Mr. Nkomo left for exile in Zambia in 1976, rapidly shedding his moderate image as he formed the Patriotic Front with Mr. Mugabe and began building a Soviet-backed guerrilla army of up to 15,000 men.

The guerrilla alliance survived as the seven-year bush war ran its course until the ceasefire on Dec. 28.

But Mr. Mugabe's followers now say they will campaign for the election separately from Mr. Nkomo's, perhaps offering some form of coalition if they triumph in the vote at the end of February.

## Rhodesia, Mozambique open border

**MACHIPANDA, Mozambique, Jan. 12 (R)**—Hundreds of jubilant Africans poured across the border into Rhodesia today when the frontier with Mozambique reopened after almost four years.

Rhodesian immigration officials grinned and shook hands as the singing and dancing crowd ran around the buildings.

The wire fence separating the two countries was ripped down by a Mozambique official who immediately invited Rhodesian officials and waiting journalists into Mozambique.

Signs of the seven-year war evident, including a gaping hole caused by a Rhodesian rocket in one of the Machipanda customs buildings.

Throughout the morning, blasts echoed across the valley as Rhodesian engineers detonated mines a short distance from the border posts.

The first Rhodesian tourists to cross the border said they wanted to buy some of Mozambique's famed prawns.

The opening was delayed for three hours, and Rhodesian officials said that under the British agreement with Mozambique the border would be closed again after 40 minutes. It will reopen on Monday for regular traffic.

Enthusiastic greeting between Rhodesian and Mozambicans contrasted sharply with the bitter enmity which has existed between the two countries during the war.

Mozambique has been the main base for guerrillas who have frequently shelled the border town of Umtali. Rhodesian defence forces have frequently raided deep into Mozambique to strike at guerrilla bases.

The governor of Mozambique's Manica province, Mr. Manuel Antonio, arrived at the border post but declined to appear at the reopening because, Mozambique officials said, British Governor Lord Soames was not present.

A local political commissar stood in for him.

As the Mozambique delegation, with a white flag held aloft, walked to the border line, they hardly glanced in the direction of two loud explosions near the rail line a few hundred metres away.

The Rhodesians are clearing their own landmines in preparation for the resumption of traffic.

Political commissar Enriquez Madebe announced to those waiting to cross that, to mark the occasion, they could make a quick visit to the nearest town before the border closed again.

The Mozambicans waived the usual visa regulations in a gesture of goodwill and invited journalists to travel to the northern part of Beira.

## China said to be training astronauts

**PEKING, Jan. 12 (R)** — China is training astronauts for future manned space flights, according to the Shanghai daily Wenhui bao.

It said China's first generation of astronauts had already undergone strenuous tests and simulated flights.

China put its first satellite into orbit in April 1970. It circled the earth playing the revolutionary anthem "The East is Red." Seven satellites have been sent into orbit since then, the last reported in January 1978.

Wenhui bao said the trainee astronauts were performing such tests as vibration exercises, centrifugal force experiments, shock wave practice, weightlessness tests and simulated flights.

Last July, the Japanese newspaper Asahi Shimbun quoted two visiting Chinese space experts as saying China had plans for manned flights but they had not yet taken "concrete shape."

China was hoping to be able to launch communications satellites by itself before 1985, the experts were quoted as saying. Meanwhile the United States had agreed to launch a television satellite for China incorporating some Chinese technology. And during talks in Peking earlier this week, U.S. Defence Secretary Harold Brown agreed to supply China with a satellite ground station.

China has developed an intercontinental ballistic missile (ICBM) under its nuclear weapons programme with a range of about 7,000 nautical miles, according to reference works.

But lack of adequate technology in such fields as computers and the miniaturisation of components is believed to be hindering progress.

## Lord Thomson adds Canadian newspaper chain to holdings

**TORONTO, Jan. 12 (R)** — Newspaper magnate Lord Thomson today added a major Canadian newspaper chain, FP Publications, to his worldwide press and business empire in a successful takeover bid.

Thomson Newspapers acquired a majority stake in FP Publications, which publishes the Toronto-based National Daily, the Globe and Mail, and seven other leading daily newspapers, in hectic last-minute bidding.

Thomson Newspapers bought its majority holding with a bid of Canadian \$164.7 million (\$142 million), which secured 54 per cent of FP's voting shares and 79 per cent of its equity shares.

Some shareholders declined to sell. A spokesman for the Thomson organisation said its offer would remain open for another week.

The Thomson offer beat the other main bidder, former Globe and Mail publisher and Montreal financier Mr. R. Howard Webster, who had submitted a last-minute offer of Canadian \$163.25 million.

The takeover left only two major groups in Canadian newspapers, of which Thomson Newspapers was already the biggest, publishing 36 daily and 12 weekly papers.

Apart from the Globe and Mail, FP Publications published the Vancouver Sun, the Lethbridge Herald, the Calgary Herald, the Winnipeg Free Press, the Ottawa Journal and two newspapers in Victoria, the Colonist and the Times.

Outside Canada, Thomson Newspapers publishes 67 daily and four weekly newspapers in the United States. Another Thomson family company controls international interests which include Britain's Times and Sunday Times.

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## 'To tighten up economic efficiency' Cuban leader carries out biggest government reshuffle in 20 years

**HAVANA, Jan. 12 (R)** — Cuban President Fidel Castro yesterday carried out his biggest government reshuffle in 20 years.

The changes affect more than half of Cuba's 34 ministers or chairmen of institutions with ministerial rank.

But experienced diplomatic observers said the reorganisation should be seen not as a political purge or ideological shift, but as a move to tighten up economic efficiency by further centralising control.

Although ministers have an important administrative role in Cuba, ultimate power rests in the hands of the Communist Party, its central committee and its politburo, which remain unchanged.

Dr. Castro is head of state, prime minister and first secretary of the party.

In yesterday's shake-up, seven ministers were dismissed altogether and two switched to become newly created ministers without portfolio. A new man was brought in to be a third minister without portfolio.

The ministers of the interior, transport and public health were replaced last month.

Four ministers appointed yesterday retain their existing posts as

deputy prime ministers. The new interior and transport ministers appointed last month both retained their positions as vice-presidents. This brings more direct control into the hands of Dr. Castro's top dozen government aides.

The new agriculture minister appointed yesterday was also made a deputy prime minister.

Dr. Castro himself will oversee the ministries of the Armed Forces, Interior, Public Health and Culture.

## S. Korea announces currency devaluation, higher bank rates

**SEOUL, Jan. 12 (R)** — South Korea today announced a 16.5 per cent currency devaluation and substantial increases in bank rates to help boost its economy, hard hit by the worldwide oil crisis.

The government said the local currency was devalued from 484 won to 580 won per U.S. dollar.

The bank rate on one-year deposits rose from 18.6 per cent to 24 per cent yearly and ordinary lending rate from 18.5 per cent to 24.5 per cent.

Deputy Prime Minister Lee Hahh-been told a press conference that the new measures, effective today, were intended to help South Korea achieve an average seven per cent annual economic growth in the next decade.

Mr. Lee said the measures were necessary because South Korea, after achieving an average annual economic growth of about ten per cent between 1962 and 1978, was heading for a zero or minus figure this year for the first time in two decades.

The 1980 growth rate is now expected to be between three and five per cent, compared with last year's 7.1 per cent, he said.

Officials have said South Korea, which does not produce any oil, will need some \$6 million to pay its oil bills this year, about double last year's total.

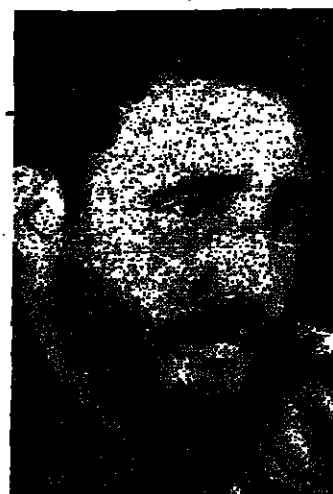
South Korea last devalued the won from 400 to the dollar on Dec. 7, 1974.

The latest move would increase exports, reduce unemployment and absorb liquidity, but at the same time increase domestic prices considerably, said the deputy premier, who is also economic planning minister.

Finance Minister Kim Woon-gie said that the devaluation was expected to improve South Korea's international balance of payments by \$700 million in 1980 and about \$1.3 billion in 1981.

Finance Ministry officials said it would increase exports by \$306 million this year and \$764 million in 1981, and reduce imports by \$312 million in 1980 and \$297 million in 1981.

South Korea had originally planned to export \$17 billion of goods and import \$22.5 billion worth this year.



Fidel Castro

## Turkish police station attacked, three killed

**ANKARA, Jan. 12 (R)** — Three policemen were killed and four wounded in a gun and bomb attack on their station in the Mediterranean town of Iskenderun last night, police said today.

A group of gunmen first machine-gunned the police station from a car and then a bomb went off in the building, they added.

Police later found the car, which had been stolen, but there was no immediate indication of who carried out the attack.

It was the worst incident of violence in Turkey since the armed forces commanders issued an ultimatum to the country's political leaders two weeks ago, urging them to halt political killings.

The military chiefs strongly hinted at a possible military takeover if the politicians could not brake the violence, which claimed 2,500 lives in the past two years.

The killings are carried out by either left or right-wing extremists. Last night's police station attack could have been by either since the Turkish police force itself is split between members of left and right-wing trade unions.

## THE Sunday Crossword

(formerly The New York Herald Tribune Crossword)  
Edited by Herb Ettenson

### WORDS FOR WINTER

By Adam Christopher

- 1 Labels  
2 Collect  
3 Bedouin  
4 Sung by a group  
5 India, Ceylon etc.  
6 Punctuation mark  
7 Antitoxins  
8 Over-the-hill  
9 Largest Pacific atoll  
10 Cup-shaped flower  
11 What clocks do  
12 Laugh by  
13 beam  
14 de mer  
15 Synthetic rubber  
16 Swindle  
17 Lake City  
18 Noblemen  
19 garment  
20 Winter hazard  
21 Riled up  
22 Double fold  
23 Laughs loudly  
24 Flare  
25 Hebrew prophet  
26 Ring event  
27 Animal skins  
28 Parakeet and cat  
29 Strong defense  
30 "Ode on a Grecian Urn"  
31 Sprites  
32 Muley boat  
33 Purley  
34 Rudest  
35 Literary monogram  
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- 1 Finesse  
2 Tennis name  
3 Cuban  
4 Vessel  
5 Theophrastus  
6 Profession  
7 Parant  
8 Wings  
9 Distress  
10 Signal  
11 Laughs in a sly way  
12 Titled  
13 Weather  
14 Alder, Scot.  
15 Region in South Dakota  
16 Pure  
17 Sharpen  
18 Measure  
19 Of the moon  
20 Little  
21 Thick  
22 Mice as though  
23 Started  
24 Water plant  
25 Bedstead  
26 Strips  
27 Single  
28 Part of an hour abbr.  
29 Chet's  
30 Cousin  
31 Changed course  
32 Make corrections  
33 Husband or wife  
34 Measure  
35 "Pickwick" character  
36 Fragrance  
37 Choice part  
38 Respond to a stimulus  
39 Different  
40 Stage show  
41 Very long time  
42 Author of "The Book of Marco Polo"  
43 Misadventure  
44 Handle/Fr. town  
45 Schemes  
46 Object of a hunt  
47 Nonsense  
48 Holy Lat.  
49 Baby buggy  
50 Role  
51 Extract an opinion  
52 Good poker hand  
53 Beam  
54 Swampland  
55 Lapse  
56 Snow  
57 Spore  
58 Clusters  
59 Frozen rain  
60 Photograph  
61 Liquid  
62 Trap  
63 Circle  
64 Ski lift  
65 Item  
66 Spoken  
67 Animal with a skin  
68 Irigate  
69 Storage place  
70 Escape  
71 Snow  
72 River in France  
73 Yule  
74 Students  
75 Library  
76 Memory  
77 Delicacy  
78 Onion's cousin  
79 Bitter  
80 Pursue  
81 Halos  
82 Musical group  
83 Ring stone  
84 Haughtiness  
85 Apricot  
86 Kicked  
87 Thrills  
88 Run away  
89 New England state  
90 Dinner guest  
91 Rainbows of the movies  
92 Two-seater  
93 Marion of the movies  
94 Uprising  
95 Zoroastrian priests  
96 Vicious  
97 Types  
98 "— and the Man"  
99 Revolves  
100 hour  
101 possible  
102 moment  
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- 1 Joyful  
2 Hardened  
3 Noel  
4 Climes  
5 In a way  
6 Glowing  
7 Coal  
8 Full of energy  
9 Like the Swiss  
10 Concord  
11 Luke  
12 Betel palm  
13 Face, as an emblem  
14 Office  
15 Worker  
16 Permissible  
17 Catalogue  
18 Beach hill  
19 In England  
20 Single  
21 Part of an hour  
22 Chet's  
23 Cousin  
24 Changed course  
25 Predictions  
26 Escape  
27 Deep-sea  
28 Frozen rain  
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